

The Impact of Science and Technology on Consumer Preferences

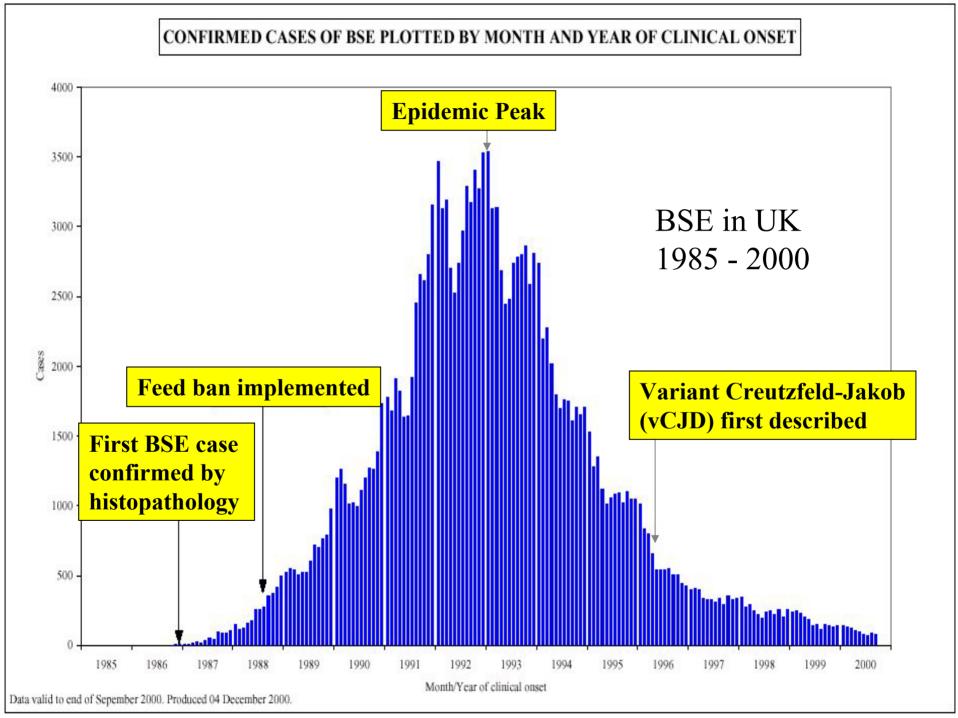
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Consumers Want Safe and Wholesome Foods that Taste Good

"Common Sense is Not So Common"

Dictionnaire Philosophique (1764) "Self-Love" Voltaire





BSE infectivity in a clinical case

(From Comer, DNV 2003)

| | g/cow | ID ⁵⁰ /g | ID ⁵⁰ /cow | % |
|------------------------|-------|---------------------|-----------------------|------|
| Brain | 500 | 50 | 25000 | 60.2 |
| Spinal Cord | 200 | 50 | 10000 | 24.1 |
| Dorsal Root Ganglia | 30 | 50 | 1500 | 3.6 |
| Trigeminal ganglia | 20 | 50 | 1000 | 2.4 |
| Distal ileum | 800 | 5 | 4000 | 9.6 |
| Tonsil | 50 | .005 | 0.25 | 0.0 |
| TOTAL | 1600 | | 41500 | 100 |

Note: all other tissues tested below limit of detection

(71 U/U/



Surveillance targeted at high risk populations yield the most cases

EU experience: positives/tests run

| Year | 2001 | 2002 |
|--------------------------------|----------|----------|
| Clinical | | |
| suspects | 1/3.3 | 1 /3.8 |
| Fallen stock & emerg slaughter | 1/1037 | 1/1099 |
| Healthy slaughter | 1/27,492 | 1/31,696 |

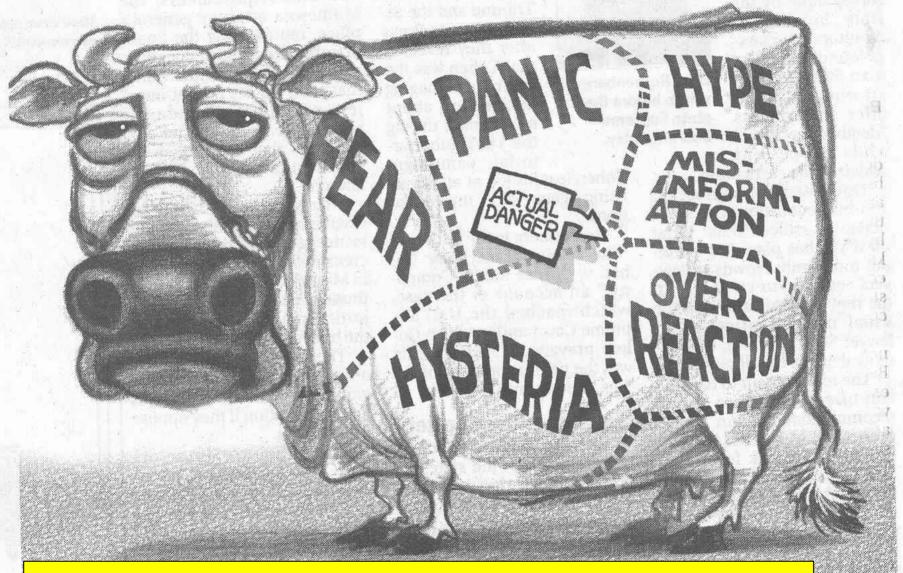
"Perception is Reality"

Q. When perception is wrong...?

A. Close information gap with education



Warning: BSE Risk = danger + fear



Scientists focus on danger, consumers on fear

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